

Permit to Operate

FACILITY: C-825

EXPIRATION DATE: 11/30/200

LEGAL OWNER OR OPERATOR: MENDOTA BIOMASS POWER, LTD

MAILING ADDRESS: P O BOX 99
MENDOTA, CA 93640

FACILITY LOCATION: 400 GUILLEN PARKWAY
MENDOTA, CA 93640

FACILITY DESCRIPTION: POWER GENERATION

The Facility to Operate may include Facility-wide Requirements as well as requirements that apply to specific permit units.

The Permit to Operate remains valid through the permit expiration date listed above, subject to payment of annual permit fees and compliance with permit conditions and all applicable local, state, and federal regulations. This permit is valid only at the location specified above, and becomes void upon any transfer of ownership or location. Any modification of the equipment or operation, as defined in District Rule 2201, will require prior District approval. This permit shall be posted as prescribed in District Rule 2010.

DAVID L. CROW

Executive Director / APCO

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Director of Permit Services

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: C-825-0-1

EXPIRATION DATE: 11/30/2005

EQUIPMENT DESCRIPTION:

PERMIT UNIT REQUIREMENTS

1. The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1; County Rule 110 (Fresno)], [Federally Enforceable Through Title V]
2. The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0; County Rule 110 (Fresno)], [Federally Enforceable Through Title V]
3. The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0], [Federally Enforceable Through Title V]
4. Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020 (September 21, 1994). [District Rule 2010, 3.0 and 4.0; 2020], [Federally Enforceable Through Title V]
5. The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.9.1 and 9.13.1], [Federally Enforceable Through Title V]
6. A Permit to Operate or an Authority to Construct shall not be transferred unless a new application is filed with and approved by the District. [District Rule 2031], [Federally Enforceable Through Title V]
7. Every application for a permit required under Rule 2010 (Permits Required - September 17, 1992) shall be filed in a manner and form prescribed by the District. [District Rule 2040], [Federally Enforceable Through Title V]
8. The operator shall maintain records of required monitoring that include: 1) the date, place, and time of sampling or measurement; 2) the date(s) analyses were performed; 3) the company or entity that performed the analysis; 4) the analytical techniques or methods used; 5) the results of such analysis; and 6) the operating conditions at the time of sampling or measurement. [District Rule 2520, 9.5.1], [Federally Enforceable Through Title V]
9. The operator shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, or report. Support information includes copies of all reports required by the permit and, for continuous monitoring instrumentation, all calibration and maintenance records and all original strip-chart recordings. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
10. The operator shall submit reports of any required monitoring at least every six months unless a different frequency is required by an applicable requirement. All instances of deviations from permit requirements must be clearly identified in such reports. [District Rule 2520, 9.6.1], [Federally Enforceable Through Title V]
11. Deviations from permit conditions must be promptly reported, including deviations attributable to upset conditions, as defined in the permit. For the purpose of this condition, promptly means as soon as reasonably possible, but no later than 10 days after detection. The report shall include the probable cause of such deviations, and any corrective actions or preventive measures taken. All required reports must be certified by a responsible official consistent with section 10.0 of District Rule 2520 (July 15, 1995). [District Rules 2520, 9.6.2 and 1100, 7.0], [Federally Enforceable Through Title V]
12. If for any reason a permit requirement or condition is being challenged for its constitutionality or validity by a court of competent jurisdiction, the outcome of such challenge shall not affect or invalidate the remainder of the conditions or requirements in that permit. [District Rule 2520, 9.8], [Federally Enforceable Through Title V]

Initial TV Permit

13. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. [District Rule 2520, 9.9.1], [Federally Enforceable Through Title V]
14. The permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [District Rule 2520, 9.9.3], [Federally Enforceable Through Title V]
15. The permit does not convey any property rights of any sort, or any exclusive privilege. [District Rule 2520, 9.9.4], [Federally Enforceable Through Title V]
16. The Permittee shall furnish to the District, within a reasonable time, any information that the District may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the District copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to EPA along with a claim of confidentiality. [District Rule 2520, 9.9.5], [Federally Enforceable Through Title V]
17. The permittee shall pay annual permit fees and other applicable fees as prescribed in Regulation III of the District Rules and Regulations. [District Rule 2520, 9.10], [Federally Enforceable Through Title V]
18. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to enter the permittee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit. [District Rule 2520, 9.14.2.1], [Federally Enforceable Through Title V]
19. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. [District Rule 2520, 9.14.2.2], [Federally Enforceable Through Title V]
20. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to inspect at reasonable times any facilities, equipment, practices, or operations regulated or required under the permit. [District Rule 2520, 9.14.2.3], [Federally Enforceable Through Title V]
21. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [District Rule 2520, 9.14.2.4], [Federally Enforceable Through Title V]
22. No air contaminants shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker than Ringelmann #1 or equivalent to 20% opacity and greater, unless specifically exempted by District Rule 4101 (12/17/92), by using EPA method 9. If the equipment or operation is subject to a more stringent visible emission standard as prescribed in a permit condition, the more stringent visible emission limit shall supersede this condition. [District Rule 4101, and County Rule 401 (Fresno)], [Federally Enforceable Through Title V]
23. No person shall supply, sell, solicit or apply any architectural coating, except specialty coatings, that contains more than 250 grams of VOC per liter of coating (less water and exempt compounds, and excluding any colorant added to tint bases), or manufacture, blend, or repackage such coating with more than 250 grams of VOC per liter (less water and exempt compounds, and excluding any colorant added to tint bases) for use within the District. [District Rule 4601, 5.1], [Federally Enforceable Through Title V]
24. Specialty Coating Limitations: No person shall apply, sell, solicit, or offer for sale any architectural coating listed in the Tables of Standards (District Rule 4601, Table 1 and Table 2), nor manufacture, blend, or repackage such coating for use within the District, which contains VOCs in excess of the specified limits after the corresponding date listed in Table 1 (grams of VOC per liter of coating as applied less water and exempt compounds, excluding any colorant added to tint bases) and in Table 2 (grams of VOC per liter of material), except as provided in Section 5.3 of Rule 4601. [District Rule 4601, 5.2], [Federally Enforceable Through Title V]
25. All VOC-containing materials shall be stored in closed containers when not in use. In use includes, but is not limited to: being accessed, filled, emptied, maintained or repaired. [District Rule 4601, 5.4], [Federally Enforceable Through Title V]
26. A person shall not use VOCs for the cleanup of spray equipment unless equipment for collection of the cleaning compounds and minimizing its evaporation to the atmosphere is used. [District Rule 4601, 5.5], [Federally Enforceable Through Title V]
27. The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.2 (September 17, 1992). [District Rule 4601, 6.1 and 6.2], [Federally Enforceable Through Title V]
28. With each report or document submitted under a permit requirement or a request for information by the District or EPA, the permittee shall include a certification of truth, accuracy, and completeness by a responsible official [District Rule 2520, 9.14.1 and 10.0], [Federally Enforceable Through Title V]
29. If the permittee performs maintenance on, or services, repairs, or disposes of appliances, the permittee shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. [40 CFR 82 Subpart F], [Federally Enforceable Through Title V]
30. If the permittee performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart F. [40 CFR Part 82, Subpart F], [Federally Enforceable Through Title V]

Initial TV Permit

31. Disturbances of soil related to any construction, demolition, excavation, extraction, or water mining activities shall comply with the requirements for fugitive dust control in SJVUAPCD District Rule 8020 (May 4, 1996) unless specifically exempted under section 4 of Rule 8020 (May 4, 1996). [District Rule 8020], [Federally Enforceable Through Title V]
32. Outdoor handling and storage of any bulk material which emits dust shall comply with the requirements of SJVUAPCD Rule 8030 (May 25, 1996), unless specifically exempted under section 4 of Rule 8030 (May 25, 1996). [District Rule 8030], [Federally Enforceable Through Title V]
33. Any paved road over 3 miles in length, and any unpaved roads over half a mile in length, constructed after December 10, 1993 shall use the design criteria and dust control measures of, and comply with the administrative requirements of, SJVUAPCD Rule 8060 (May 25, 1996) unless specifically exempted under section 4 of Rule 8060 (May 25, 1996). [District Rule 8060], [Federally Enforceable Through Title V]
34. Any owner or operator of a demolition or renovation activity, as defined in 40 CFR 61.141, shall comply with the applicable inspection, notification, removal, and disposal procedures for asbestos containing materials as specified in 40 CFR 61.145 (Standard for Demolition and Renovation). [40 CFR 61 Subpart M], [Federally Enforceable Through Title V]
35. The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520, 9.17], [Federally Enforceable Through Title V]
36. The permittee shall submit an application for Title V permit renewal to the District at least six months, but not greater than 18 months, prior to the permit expiration date. [District Rule 2520, 5.2], [Federally Enforceable Through Title V]
37. When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permit shall apply. [District Rule 2520, 9.1.1], [Federally Enforceable Through Title V]
38. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
39. The permittee shall submit a Risk Management Plan to the appropriate authority by June 21, 1999 and abide by all applicable sections of 40 CFR, Part 68, Chemical Accident Prevention Provisions. [40 CFR 68], [Federally Enforceable Through Title V]
40. On November 30, 2001, the initial Title V permit was issued, the reporting period of the Report of Required Monitoring and the Compliance Certification Report are based upon this initial permit issuance date, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days of the end of reporting period. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: C-825-1-1

EXPIRATION DATE: 11/30/2005

EQUIPMENT DESCRIPTION:

890 HP CATERPILLAR MODEL 3412 DIESEL-FUELED IC ENGINE WITH TURBOCHARGER POWERING A 750 KW EMERGENCY GENERATOR.

PERMIT UNIT REQUIREMENTS

1. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 406 (Fresno)], [Federally Enforceable Through Title V]
2. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration at the point of discharge. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
3. Unit shall be fired only on diesel fuel with a sulfur content of less than 0.05% by weight. [Rule 406 (Fresno)], [Federally Enforceable Through Title V]
4. If the IC engine is fired on Air Resources Board regulated diesel fuel, with a supplier certified sulfur content less than 0.05% by weight, the operator shall maintain copies of all fuel invoices and supplier certifications. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. If the IC engine is not fired on ARB regulated diesel fuel, with a supplier certified sulfur content less than 0.05% by weight, then the owner or operator shall determine the sulfur content of each delivery of diesel fuel being fired in the IC engine. The sulfur content shall be determined using ASTM Method D 2880. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
6. Records of emergency, maintenance, and testing operating hours shall be kept for this unit. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
8. Emissions shall not exceed 6.4 lb-NOx/day, 0.6 lb-VOC(NMHC)/day, 1.7 lb-CO/day, 0.5 lb-SO2/day or 0.6 lb-PM10/day. [District NSR Rule], [Federally Enforceable Through Title V]
9. The engine shall be operated with the timing retarded four degrees from the manufacturer's standard recommended timing. [District NSR Rule], [Federally Enforceable Through Title V]
10. Ignition timing shall be certified by a qualified mechanic. Certification shall be retained with the engine operating records. [District NSR Rule], [Federally Enforceable Through Title V]
11. Diesel consumption shall not exceed 408 gallons per day. [District NSR Rule], [Federally Enforceable Through Title V]
12. Operation of the engine, for other than maintenance purposes, shall be limited to emergency use. [District NSR Rule], [Federally Enforceable Through Title V]
13. An elapsed time meter shall be maintained to indicate the cumulative hours the engine is operated. [District NSR Rule], [Federally Enforceable Through Title V]
14. Operation of the engine for maintenance and testing purposes shall not exceed 200 hours per year. [District NSR Rule], [Federally Enforceable Through Title V]
15. Permittee shall maintain records of monthly hours of operation. Records shall be retained for at least five years and shall be made available for District inspection upon request. [District Rule 1070], [Federally Enforceable Through Title V]

Initial TV Permit
San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: C-825-3-1

EXPIRATION DATE: 11/30/2005

EQUIPMENT DESCRIPTION:

98.0 HP FUEL RECEIVING AND UNLOADING OPERATION CONSISTING OF AN EXTENDED ARM TRAILER DUMPER AND FUEL RECEIVING HOPPER.

PERMIT UNIT REQUIREMENTS

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1. Total Particulate Matter (PM10) emissions from this fuel receiving, unloading, and storage operation shall not exceed 114.2 lb/day. [District NSR Rule], [Federally Enforceable Through Title V]
 2. Water sprays shall be operated on material handling points whenever material is being transferred. [District NSR Rule], [Federally Enforceable Through Title V]
 3. Fuel receiving rate shall not exceed 3600 tons per day. [District NSR Rule], [Federally Enforceable Through Title V]
 4. Records of daily fuel materials received shall be maintained, retained on the premises for at least five years, and provided to the District upon request. [District NSR Rule and District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
 5. Water truck shall be used to spray the grounds to control fugitive dust from vehicle and equipment traffic. [District NSR Rule], [Federally Enforceable Through Title V]
 6. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$; if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$; P is greater than 30 tons per hour. [District Rule 4202], [Federally Enforceable Through Title V]
 7. Visible emissions shall be inspected annually under material and environmental conditions, such as dry and windy, where high emissions are expected [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: C-825-4-2

EXPIRATION DATE: 11/30/2005

EQUIPMENT DESCRIPTION:

217 HP FUEL HANDLING, PROCESSING, AND STORAGE OPERATION WITH ENCLOSED BELT CONVEYORS AND TRANSFER POINTS, RECLAIMERS, HAMMER HOG, HOG TOWER SERVED BY A BAGHOUSE AND A FUEL FEEDER SURGE BIN DUCTED TO THE MAIN BOILER EXHAUST PLENUM (C-825-5).

PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule], [Federally Enforceable Through Title V]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201], [Federally Enforceable Through Title V]
3. Particulate Matter (PM10) emissions from baghouse #1 serving the hammer hog tower (emergency reclaimer, fuel rationing conveyors, disc screens) shall not exceed 0.0005 lb/ton of handled fuel material. [District NSR Rule], [Federally Enforceable Through Title V]
4. Total Particulate Matter (PM10) emissions from this fuel handling, processing, and storage operation shall not exceed 64.8 lb/day. [District NSR Rule], [Federally Enforceable Through Title V]
5. Material removed from dust collectors shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule], [Federally Enforceable Through Title V]
6. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District NSR Rule], [Federally Enforceable Through Title V]
7. The baghouses shall be equipped with an operational pressure differential gauge to indicate the pressure drop across each compartment. [District NSR Rule], [Federally Enforceable Through Title V]
8. Fuel processing rate shall not exceed 1200 tons per day. [District NSR Rule], [Federally Enforceable Through Title V]
9. Records of daily fuel materials handled shall be maintained, retained on the premises for at least five years, and provided to the District upon request. [District Rules 1070 and 2520, 9.5.2], [Federally Enforceable Through Title V]
10. Visible emissions shall be inspected monthly during operation. If visible emission are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions can not be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. Dust collection system shall be completely inspected annually while in operation for evidence of particulate matter leaks and repaired as needed, [District Rule 2520, 9.4.2]
12. Dust collector filter shall be thoroughly inspected annually for tears, scuffs, abrasions, holes or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. Records of dust collector maintenance, inspections and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: C-825-5-2

EXPIRATION DATE: 11/30/2005

EQUIPMENT DESCRIPTION:

30 MW POWER PRODUCTION FACILITY WITH A 317 MMBTU/HR BIOMASS AND NATURAL GAS-FIRED GOTAVERKEN SINGLE DRUM BOILER, CYCLONE, SUPERHEATER, STEAM DRUM, ECONOMIZER, AND AIR HEATER SERVED BY A MODULAR SIX-COMPARTMENT BAGHOUSE AND THERMAL DE-NOX SYSTEM.

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201], [Federally Enforceable Through Title V]
2. Ammonia slip shall not exceed 25 ppmv. [District Rule 4102]
3. Boiler fuels shall be limited to the following: saw mill residues (bark, sawdust, chips and shavings); forest residues; orchard and vineyard pruning including chipped whole tree wastes and materials listed in the attachment "Open Burn Emission Factors"; clean unpainted urban wood waste; unpainted paper waste; almond and walnut shells; prune, peach and olive pits; and natural gas. [District NSR Rule], [Federally Enforceable Through Title V]
4. Natural gas shall be used only for startup and combustion stabilization (fuel not to exceed 25% annual BTU heat input). [District NSR Rule], [Federally Enforceable Through Title V]
5. Permittee shall record the type, mass and geographic origin of all biomass received and used on a daily basis. [District NSR Rule], [Federally Enforceable Through Title V]
6. Daily records for each load of creditable biomass received shall be maintained which include the date, weigh ticket number, supplier name, fuel type, tons received, the offset ratio for the load of biomass, and the amount of offset credit (in pounds of pollutant) attributable to each load of biomass. Records shall include certifications that any creditable biomass for which offset credit is claimed has historically been open burned in the San Joaquin Valley air basin. [District NSR Rule], [Federally Enforceable Through Title V]
7. The Permittee shall project and use the proper mix of fuels to ensure that all emissions are offset as required with credits from the use of creditable fuels. [District NSR Rule], [Federally Enforceable Through Title V]
8. The Permittee shall curtail operation proportionately and notify the District whenever, due to changes in the quantity or quality of wastes supplied, the emissions exceed the offsets. [District NSR Rule], [Federally Enforceable Through Title V]
9. All stack emissions shall be completely offset with creditable biomass on an annual basis. Emission offsets shall be calculated using the formula $EC = (1/365) \times (1/DF) \times \sum (A(i) \times EF(i))$, where: EC = Emission Credit (lb/day), DF = Distance Factor, A(i) = Amount from each source (ton/yr), and EF(i) = Emission Factor for each source. [District NSR Rule], [Federally Enforceable Through Title V]
10. Distance Factor (DF) shall be 1.2 for sources within a 15 mile radius and 2.0 for sources outside the 15 mile radius. [District NSR Rule], [Federally Enforceable Through Title V]
11. Open-burning emission factors used to determine the quantity of offsets available from the diversion of biomass from open-burning are listed in the attachment "Open Burn Emission Factors". [District NSR Rule], [Federally Enforceable Through Title V]
12. Filterable particulate matter (PM10) emissions, except for periods of startup and shutdown, shall not exceed 0.010 grains per dscf or 7.62 lb per hour @ 12% CO2. [District NSR Rule], [Federally Enforceable Through Title V]
13. Condensable particulate matter (PM10) shall, except for periods of startup and shutdown, shall not exceed 6.65 lb/hr @ 12% CO2. [District NSR Rule], [Federally Enforceable Through Title V]
14. Emissions shall not exceed any of the following limits: 247.2 lb-SOx/day, 667.2 lb-NOx/day, 928.8 lb-CO/day, 232.8 lb-VOC/day or 340.1 lb-PM10/day. [District NSR Rule], [Federally Enforceable Through Title V]
15. Verification of all emission related data is the responsibility of the Permittee. Such verification shall be provided to the District upon request. [District NSR Rule], [Federally Enforceable Through Title V]
16. Permittee shall perform annual source tests for PM10, CO, SOx as SO2, VOC, and NOx as NO2. A pretest plan outlining source test methods, approved contractor, test date, and operating parameters must be submitted to the District for prior approval. [District NSR Rule], [Federally Enforceable Through Title V]
17. Emissions during annual source tests shall not exceed any of the following limits: 27.8 lb-NOx/hr, 38.7 lb-CO/hr, 10.3 lb-SOx/hr, 9.7 lb-VOC/hr, 7.62 lb-filterable PM10/hour or 6.65 lb-condensable PM10/hr. [District NSR Rule], [Federally Enforceable Through Title V]

Initial TV Permit

18. A Continuous Emissions Monitoring System shall be in place and operating whenever the facility is operating. NO_x concentrations and opacity must be recorded continuously. [District Rule 1080], [Federally Enforceable Through Title V]
19. The continuous monitoring equipment must be linked to a data acquisition system that is accessible via modem. [District Rule 1080], [Federally Enforceable Through Title V]
20. Permittee shall provide annual relative accuracy tests of the CEM system demonstrating compliance with 40 CFR Part 60, Appendix B, Performance Standards 1, 2, and 3. [District Rule 1080], [Federally Enforceable Through Title V]
21. A quarterly CEM report shall be submitted to the District which includes the following: hours of operation, the date and time of each exceedance of emissions limits (including startup, shutdown, malfunctions or any other reason), the quantity of excess emissions, any conversion factors used to calculate excess emissions, the nature and cause of each malfunction, any corrective action taken and any preventive measures adopted, hours of CEMS down time, and the cause of all CEMS down time. [District Rule 1080 and 40 CFR 60.49b(f)], [Federally Enforceable Through Title V]
22. Quarterly reports shall be submitted to the District within 30 days after the end of each calendar quarter. [District Rule 1080], [Federally Enforceable Through Title V]
23. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule], [Federally Enforceable Through Title V]
24. Baghouse shall be operated whenever the biomass combustor is operating. [District NSR Rule], [Federally Enforceable Through Title V]
25. Pressure drop across the baghouse shall be maintained between 2.5 and 6 inches water column. [District NSR Rule], [Federally Enforceable Through Title V]
26. A spare set of bags shall be maintained on the premises at all times. [District NSR Rule], [Federally Enforceable Through Title V]
27. The baghouse shall be equipped with multiple compartments having fire detection systems. [District NSR Rule], [Federally Enforceable Through Title V]
28. The dust collection system shall be completely inspected annually while in operation for particulate matter leaks and repaired as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
29. The dust collection system shall be thoroughly inspected quarterly for tears, scuffs, abrasions, holes or any evidence of particulate matter leaks and shall be replaced as needed. [District NSR Rule, Rule 1070 and 2520, 9.4.2], [Federally Enforceable Through Title V]
30. Records of dust collector maintenance, inspection and repair shall be maintained for five years and provided to the District upon request. The record shall include identification of the equipment, date of inspection, corrective action taken and identification of the individual performing the inspection. [District Rule 2520, 9.4.2, 9.5.2], [Federally Enforceable Through Title V]
31. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule], [Federally Enforceable Through Title V]
32. Source testing for SO_x shall be conducted using EPA method 5 or 8 or a continuous emissions analyzer in accordance with EPA method 6C. Source testing for NO_x shall be conducted using EPA method 7E or CARB method 100. Source testing for CO shall be conducted using EPA method 10 or CARB method 100. Source testing for hydrocarbons shall be conducted using EPA method 18 or CARB method 100. Source testing for particulate matter shall be conducted using EPA method 5 based on front half (filterable) fraction. [District NSR Rule, Rule 2520, 9.4.2 and Rule 4352], [Federally Enforceable Through Title V]
33. Source test reports shall be submitted to the District within 60 days after completion of source testing. [District Rules 1070 and 1081, 7.3], [Federally Enforceable Through Title V]
34. Operation and calibration of the CEMS shall be in accordance with the requirements of 40 CFR 60.48(a),(b). [District Rule 1080, Rule 2520, 9.4.3 and 40 CFR 60.13(c)], [Federally Enforceable Through Title V]
35. The operator shall perform a relative accuracy test audit (RATA) at least once every year as specified by 40 CFR 60 Appendix F, and as specified in 40 CFR 60 Appendix B, Specification 2, Section 7. [District Rule 1080 and 40 CFR 60.13(c)], [Federally Enforceable Through Title V]
36. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 ton per hour. [District Rule 4202], [Federally Enforceable Through Title V]
37. Pressure drop across baghouse shall be observed and recorded weekly during operation of this unit. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
38. Stack gas velocity shall be determined using EPA Method 2. Stack gas moisture content shall be determined using EPA Method 4. Solid fuel higher heating value (h_hv) shall be determined using ASTM Method D 2015 or E 711. [District Rule 4352], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: C-825-8-1

EXPIRATION DATE: 11/30/2005

EQUIPMENT DESCRIPTION:

245 HP DETROIT MODEL DOFP-04AT-1 DIESEL-FUELED EMERGENCY IC ENGINE WITH TURBOCHARGER, POWERING A FIRE PUMP.

PERMIT UNIT REQUIREMENTS

1. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 406 (Fresno)], [Federally Enforceable Through Title V]
2. Particulate matter emissions shall not exceed in concentration at the point of discharge 0.1 gr/dscf. [District Rule 4201; Rule 404 (Fresno)], [Federally Enforceable Through Title V]
3. Unit shall be fired only on diesel fuel with a sulfur content of less than 0.05% by weight. [District NSR Rule and Rule 406 (Fresno)], [Federally Enforceable Through Title V]
4. If the IC engine is fired on Air Resources Board regulated diesel fuel, with a supplier certified sulfur content less than 0.05% by weight, the operator shall maintain copies of all fuel invoices and supplier certifications. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. If the IC engine is not fired on ARB regulated diesel fuel, with a supplier certified sulfur content less than 0.05% by weight, then the owner or operator shall determine the sulfur content of each delivery of diesel fuel being fired in the IC engine. The sulfur content shall be determined using ASTM method D 2880. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
6. Records of emergency, testing, and maintenance operating hours shall be kept for this unit. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
8. Emissions shall not exceed 0.2 lb-PM10/hr, 1.0 lb-SOx/hr, 9.4 lb-NOx/hr, 4.8 lb-CO/hr or 0.3 lb-VOC(NMHC)/hr. [District NSR Rule], [Federally Enforceable Through Title V]
9. The engine shall be operated with the timing retarded four degrees from the manufacturer's standard recommended timing. [District NSR Rule], [Federally Enforceable Through Title V]
10. Injection timing of the engine shall be inspected, adjusted, and certified annually by a qualified mechanic according to the manufacturer's specification. [District NSR Rule], [Federally Enforceable Through Title V]
11. Fuel oil consumption shall not exceed 13.3 gallons per hour. [District NSR Rule], [Federally Enforceable Through Title V]
12. Operation of the engine, for other than maintenance purposes, shall be limited to emergency use. [District NSR Rule], [Federally Enforceable Through Title V]
13. An elapsed time meter shall be installed and maintained to indicate the cumulative hours that the engine has operated. [District NSR Rule], [Federally Enforceable Through Title V]
14. Operation of the engine for maintenance and testing purposes shall not exceed 200 hours per year. [District NSR Rule], [Federally Enforceable Through Title V]
15. Permittee shall record engine inspection, maintenance, and repair; fuel usage and sulfur content; and hours of operation. [District Rule 1070], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: C-825-9-1

EXPIRATION DATE: 11/30/2005

EQUIPMENT DESCRIPTION:

1,500 GALLON SPLIT ABOVEGROUND TANK WITH 500 GALLON GASOLINE STORAGE SECTION SERVED BY TWO-POINT PHASE I VAPOR RECOVERY SYSTEM (G-70-160) AND ONE GASOLINE DISPENSING NOZZLE SERVED BY BALANCE PHASE II VAPOR RECOVERY SYSTEM (G-70-160).

PERMIT UNIT REQUIREMENTS

1. This gasoline storage and dispensing equipment shall not be used in retail sales, where gasoline dispensed by the unit is subject to payment of California sales tax on gasoline sales. [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Each gasoline storage tank shall be equipped with a permanent submerged fill pipe. [District Rule 4621, 5.1.1], [Federally Enforceable Through Title V]
3. Each aboveground storage tank shall be equipped with a pressure-vacuum valve set to within 10% of the maximum allowable working pressure of the tank. No gasoline shall be placed, stored, or held in any above-ground tank of 250 gallon capacity or more unless it is so equipped. [District Rule 4621, 5.1.2; 4623, 5.4], [Federally Enforceable Through Title V]
4. Each storage tank subject to this permit shall be equipped with an ARB certified Phase I vapor recovery system, which shall prevent at least 95% by weight of all gasoline vapors displaced during the filling of storage tanks from entering the atmosphere. The transfer of gasoline from any delivery vessel to any stationary storage container with 250 gallon capacity or more shall not be allowed unless the container is equipped with an ARB certified Phase 1 system and maintained and operated according to manufacturers specifications. [District Rule 4621, 3.1 and 5.1.1], [Federally Enforceable Through Title V]
5. No gasoline delivery vessel shall be operated or be allowed to operate unless valid State of California decals are displayed on the cargo tank which attest to the vapor integrity of the tank. [District Rule 4621, 5.2.1], [Federally Enforceable Through Title V]
6. Each dispensing system shall be equipped with an ARB certified Phase II vapor recovery system which shall prevent at least 95% by weight of all gasoline vapors displaced during refueling of vehicles from entering the atmosphere. [District Rule 4622, 5.1], [Federally Enforceable Through Title V]
7. Each ARB certified vapor recovery system shall be tested within 60 days of major modification or installation, except as otherwise allowed by this permit. For this condition, a major modification is considered to be replacing, repairing, or upgrading 75% or more of the certified system. [District Rule 4622, 6.2.2], [Federally Enforceable Through Title V]
8. The ARB certified vapor recovery system and all of its components shall be maintained in good repair. Any ARB certified gasoline vapor recovery system, which has been installed and has been issued a permit to operate, shall not be removed regardless of the amount of gasoline dispensed or how the gasoline is delivered to the facility. [District Rule 4622, 5.3], [Federally Enforceable Through Title V]
9. No gasoline shall be transferred into vehicle fuel tanks if the vapor recovery system contains any defect listed in Section 94006 of Title 17 of the California Code of Regulations or in Section 5.4 of SJVUAPCD Rule 4622 (as amended February 17, 1994) until the defect has been repaired, replaced, or adjusted as necessary to correct the defect, and the District has reinspected the system or has authorized its use pending reinspection. [District Rule 4622, 5.4], [Federally Enforceable Through Title V]
10. Any defects identified shall be tagged "Out of Order"; the tagged equipment shall be rendered inoperable and the tag(s) shall not be removed until the defect has been repaired, replaced or adjusted. In the case of defects identified by the District, tagged equipment shall be rendered inoperable and the tag shall not be removed until the District has been notified of the repairs, and/or the District has inspected and authorized the tagged equipment for use. A log containing at least the following shall be maintained: date and type of defect identified and date repaired, replaced or corrected. [District Rules 2520, 9.4.2 and 4622, 5.5], [Federally Enforceable Through Title V]
11. Vapor recovery systems and gasoline dispensing equipment shall be maintained leak-free as verified using EPA Test Method 21 and visual inspection. Leak testing shall be performed at least annually and within 60 days of all major modifications. For this condition, a major modification is considered to be replacing, repairing, or upgrading 75% or more of the certified system. A leak is defined as the dripping at a rate of more than three (3) drops per minute of liquid containing VOCs or a reading as methane in excess of 10,000 ppm as determined using EPA Method 21. [District Rules 2520, 9.4.2 and 4622, 3.6, 5.6], [Federally Enforceable Through Title V]
12. Each operator shall maintain a leak inspection log containing, at a minimum, the following: inspector's name, location and description of component type where any leak is found; date of leak detection, emission level (ppm) if applicable, and date leak is repaired. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. No person shall top off a motor vehicle fuel tank. [District Rule 4622, 5.9], [Federally Enforceable Through Title V]

Initial TV Permit

14. No owner or operator shall tamper with, or permit tampering with, the ARB certified vapor recovery system in a manner that would impair the operation or effectiveness of the system. [District Rule 4622, 5.11], [Federally Enforceable Through Title V]
15. Operator shall maintain all records of required monitoring data and support information for inspection for a period of five years. [District Rule 2520, 9.5.2 and District Rule 4622, 6.1.3], [Federally Enforceable Through Title V]
16. The vapor recovery systems and their components shall be installed, operated, and maintained in accordance with the State certification requirements. [District Rules 4621 and 4622], [Federally Enforceable Through Title V]
17. The permittee shall perform and pass a Leak Test on the aboveground tank using BAAQMD Method ST-38 at least once every year. [District Rule 2520, 9.4.2 and 4622, 6.3], [Federally Enforceable Through Title V]
18. The District shall be notified by the permittee 15 days prior to each test. The test results shall be submitted to the District no later than 30 days after each test. [District Rule 1081 and District Rule 4622, 6.2.2], [Federally Enforceable Through Title V]

Initial TV Permit